Engine (ignition) switch

Performing the following operations when carrying the electronic key on your person starts the engine or changes engine switch modes.

Starting the engine

- 1 Turn the engine switch to IGNITION ON mode (\rightarrow P. 201) and check that the parking brake is set.
- 2 Check that the shift lever is set in P.
- **3** Firmly depress the brake pedal.

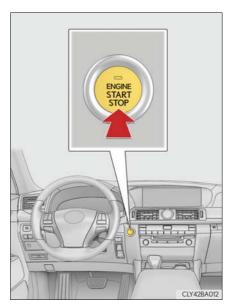
The engine switch indicator will turn green. If the indicator does not turn green, the engine cannot be started.

4 Press the engine switch.

The engine will crank until it starts or for up to 30 seconds, whichever is less.

Continue depressing the brake pedal until the engine is completely started.

The engine can be started from any engine switch mode.



Stopping the engine

- 1 Stop the vehicle.
- 2 Shift the shift lever to P.
- 3 Set the parking brake. $(\rightarrow P. 219)$
- 4 Press the engine switch.
- 5 Release the brake pedal and check that the indicator on the engine switch is off.

Changing engine switch modes

Modes can be changed by pressing the engine switch with brake pedal released. (The mode changes each time the switch is pressed.)

(1) Off*

The emergency flashers can be used.

ACCESSORY mode

Some electrical components such as the audio system can be used.

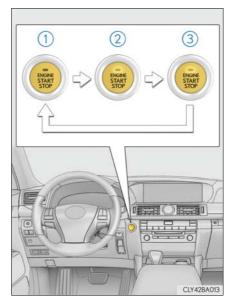
The engine switch indicator turns amber.

(3) IGNITION ON mode

All electrical components can be used.

The engine switch indicator turns amber.

*: If the shift lever is in a position other than P when turning off the engine, the engine switch will be turned to ACCESSORY mode, not to off.



■ Auto power off function

If the vehicle is left in ACCESSORY mode for more than 20 minutes with the shift lever in P, the engine switch will automatically turn off.

■ Electronic key battery depletion

 \rightarrow P. 117

■ Conditions affecting operation

 \rightarrow P. 114

■ Notes for the entry function

→P.115

■ If the engine does not start

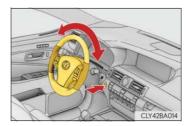
The engine immobilizer system may not have been deactivated. $(\rightarrow P.77)$ Contact your Lexus dealer.

■Steering lock

After turning the engine switch off and opening and closing the doors, the steering wheel will be locked due to the steering lock function. Operating the engine switch again automatically cancels the steering lock.

■ When the steering lock cannot be released

The green indicator light on the engine switch will flash and a message will be shown on the multi-information display. Press the engine switch again while turning the steering wheel left and right.



■ Steering lock motor overheating prevention

To prevent the steering lock motor from overheating, the motor may be suspended if the engine is turned on and off repeatedly in a short period of time. In this case, refrain from operating the engine. After about 10 seconds, the steering lock motor will resume functioning.

The system may be malfunctioning. Have the vehicle inspected by your Lexus dealer immediately.

- If the electronic key battery is depleted
 - \rightarrow P. 785
- If the smart access system with push-button start has been deactivated in a customized setting
 - →P.834

A CAUTION

■ When starting the engine

Always start the engine while sitting in the driver's seat. Do not depress the accelerator pedal while starting the engine under any circumstances.

Doing so may cause an accident resulting in death or serious injury.

■ Caution while driving

If engine failure occurs while the vehicle is moving, do not lock or open the doors until the vehicle reaches a safe and complete stop. Activation of the steering lock in this circumstance may lead to an accident, resulting in death or serious injury.

■ Stopping the engine in an emergency

If you want to stop the engine in an emergency while driving the vehicle, press and hold the engine switch for more than 2 seconds, or press it briefly 3 times or more in succession. $(\rightarrow P. 797)$

However, do not touch the engine switch while driving except in an emergency. Turning the engine off while driving will not cause loss of steering or braking control, but the power assist to these systems will be lost. This will make it more difficult to steer and brake, so you should pull over and stop the vehicle as soon as it is safe to do so.

4

Driving

↑ NOTICE

■ To prevent battery discharge

Do not leave the engine switch in ACCESSORY or IGNITION ON mode for long periods of time without the engine running.

■ When starting the engine

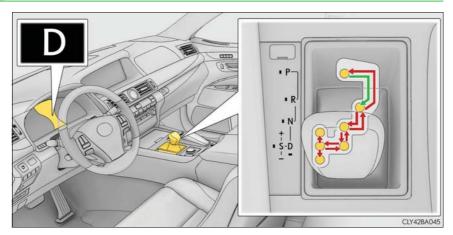
- Do not race a cold engine.
- If the engine becomes difficult to start or stalls frequently, have your vehicle checked by your Lexus dealer immediately.

■ Symptoms indicating a malfunction with the engine switch

If the engine switch seems to be operating somewhat differently than usual, such as the switch sticking slightly, there may be a malfunction. Contact your Lexus dealer immediately.

Automatic transmission (except 2WD models with paddle shift switches)

Shifting the shift lever



While the engine switch is in IGNITION ON mode, move the shift lever with the brake pedal depressed.

When shifting the shift lever between P and D, make sure that the vehicle is completely stopped.

Shift position purpose

Shift position	Purpose and condition
Р	Parking the vehicle/starting the engine
R	Reversing
N	Condition in which the power is not transmitted
D	Normal driving*
S	S mode driving (→P. 207)

^{*:} To improve fuel efficiency and reduce noises, set the shift lever in D for normal driving.

Selecting shift ranges in the D position (AWD models with paddle shift switches)

To drive using temporary shift range selection, operate the "-" paddle shift switch while the shift lever is in the D position.

Changing the shift range allows restriction of the highest gear, preventing unnecessary upshifting and enabling the level of engine braking force to be selected.

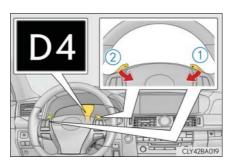
The shift range can be selected by operating the "-" and "+" paddle shift switches.

(1) Upshifting

2 Downshifting

The selected shift range, from D1 to D8, will be displayed in the meter.

To return to normal D position driving, the "+" paddle shift switch must be held down for a period of time.



■ Shift ranges and their functions

Meter display	Function
D2 - D8	A gear in the range between 1 and the selected gear is automatically chosen depending on vehicle speed and driving conditions
D1	Setting the gear at 1

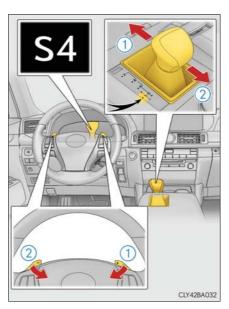
A lower shift range will provide greater engine braking forces than a higher shift range.

Selecting shift ranges in S mode

To enter S mode, shift the shift lever to the S position.

When in S mode, changing the shift range allows restriction of the highest gear, preventing unnecessary upshifting and enabling the level of engine braking force to be selected.

- 1 Upshifting
- (2) Downshifting



The initial shift range in S mode is set automatically between 3 and 7 according to vehicle speed and driving conditions.

■ Shift ranges and their functions

Meter display	Function
S2 - S8	A gear in the range between 1 and the selected gear is automatically chosen depending on vehicle speed and driving conditions
S1	Setting the gear at 1

A lower shift range will provide greater engine braking forces than a higher shift range.

Selecting the driving mode

■ Sport mode/Comfort mode/Eco drive mode

 \rightarrow P. 297

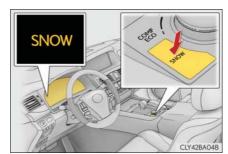
■ Snow mode

Snow mode can be selected to suit the conditions when driving on slippery road surfaces, such as on snow.

Press the switch.

The snow mode indicator light will come on.

Press the switch again to return to normal mode.



The shift range is downshifted to a range that enables engine braking force that is suitable to driving conditions.

■ Automatic deactivation of shift range selection in the D position (AWD models with paddle shift switches)

Shift range selection in the D position will be deactivated in the following situations:

- When the vehicle comes to a stop
- If the accelerator pedal is depressed for more than a certain period of time
- When the shift lever is shifted to other than D

■S mode

- When the shift range is 6 or lower, holding the shift lever toward "+" sets the shift range to 8.
- When the shift lever is moved toward "-", the shift range is downshifted to a range that enables engine braking force that is suitable to driving conditions.
- To prevent the engine from over-revving, upshifting may automatically occur.

■ Downshifting restrictions warning buzzer

To help ensure safety and driving performance, downshifting operation may sometimes be restricted. In some circumstances, downshifting may not be possible even when the shift lever or paddle shift switch (AWD models with paddle shift switches) is operated. (A buzzer will sound twice.)

When driving with cruise control or dynamic radar cruise control with full speed range activated

Even when performing the following actions with the intent of enabling engine braking, engine braking will not activate because cruise control or dynamic radar cruise control with full speed range will not be canceled.

- While driving in D or S mode, downshifting to 7, 6, 5 or 4. $(\rightarrow P. 244, 248)$
- When switching the driving mode to sport mode while driving in D position. $(\rightarrow P. 297)$

■ Snow mode automatic deactivation

Snow mode is automatically deactivated if the engine switch is turned off after driving in snow mode.

■ If the shift lever cannot be shifted from P

→P. 831

4

Driving

■ AI-SHIFT

The AI-SHIFT automatically selects the suitable gear according to driver performance and driving conditions.

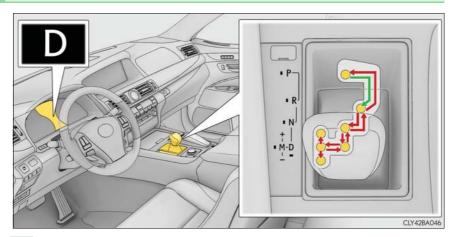
The AI-SHIFT automatically operates when the shift lever is in the D and S position.

A CAUTION

■ When driving on slippery road surfaces

Be careful of downshifting and sudden acceleration, as this could result in the vehicle skidding to the side or spinning.

Shifting the shift lever



While the engine switch is in IGNITION ON mode, move the shift lever with the brake pedal depressed.

When shifting the shift lever between P and D, make sure that the vehicle is completely stopped.

4

Driving

Shift position purpose

Shift position	Meter display	Purpose and condition
Р	P	Parking the vehicle/starting the engine
R	R	Reversing
N	N	Condition in which the power is not transmitted
D	D	Normal driving *1
	D4 (paddle shift switches activated)	Shift range selection (→P. 213)
М	M4	M mode driving ^{*2} (→P. 214)

 $^{^{\}star 1}$: To improve fuel efficiency and reduce noises, set the shift lever in D for normal driving.

^{*2:} Any gear can be fixed when driving in M mode.

Selecting shift ranges in the D position

To drive using temporary shift range selection, operate the "-" paddle shift switch while the shift lever is in the D position.

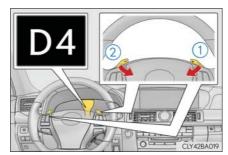
Changing the shift range allows restriction of the highest gear, preventing unnecessary upshifting and enabling the level of engine braking force to be selected.

The shift range can be selected by operating the "-" and "+" paddle shift

- (1) Upshifting
- 2 Downshifting

The selected shift range, from D1 to D8, will be displayed in the meter.

To return to normal D position driving, the "+" paddle shift switch must be held down for a period of time.



■ Shift ranges and their functions

Meter display	Function
D2 - D8	A gear in the range between 1 and the selected gear is automatically chosen depending on vehicle speed and driving conditions
D1	Setting the gear at 1

A lower shift range will provide greater engine braking forces than a higher shift range.

Selecting gears in the M position

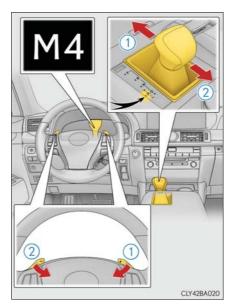
To enter M mode, shift the shift lever to the M position.

Gears can be selected by operating the shift lever or paddle shift switches, allowing you to drive in the gear of your choosing.

- 1 Upshifting
- 2 Downshifting

The gear changes once every time the shift lever or paddle shift switch is operated.

The selected gear, from M1 to M8, will be fixed and displayed in the meter.



- When in the M position, the gear will not change unless the shift lever or paddle shift switches are operated. However, even when in the M position, the gears will be automatically changed in the following situation:
 - When vehicle speed drops (downshift only).
 - When the automatic transmission fluid or engine coolant temper-
 - When the automatic transmission fluid temperature is high.
 - When the needle of the tachometer is in the red zone (the range which exceeds the allowable revs of the engine).
- When in the vehicle speed is low, the gear will not upshift even if the shift lever or paddle shift switches are operated.

■ Sport mode/Comfort mode/Eco drive mode

→P. 297

■ Snow mode

Snow mode can be selected to suit the conditions when driving on slippery road surfaces, such as on snow.

Press the switch.

The snow mode indicator light will come on.

Press the switch again to return to normal mode.



4

Driving

■ When the "-" paddle shift switch is operated in the D position

The shift range is downshifted to a range that enables engine braking force that is suitable to driving conditions.

■ Automatic deactivation of shift range selection in the D position

Shift range selection in the D position will be deactivated in the following situations:

- When the vehicle comes to a stop
- If the accelerator pedal is depressed for more than a certain period of time
- When the shift lever is shifted to other than D

■ Downshifting restrictions warning buzzer

To help ensure safety and driving performance, downshifting operation may sometimes be restricted. In some circumstances, downshifting may not be possible even when the shift lever or paddle shift switch is operated. (A buzzer will sound twice.)

■ When driving with cruise control or dynamic radar cruise control with full speed range activated

Even when performing the following actions with the intent of enabling engine braking, engine braking will not activate because cruise control or dynamic radar cruise control with full speed range will not be canceled.

- While driving in the D position, downshifting to 7, 6, 5 or 4. $(\rightarrow P. 244, 248)$
- When switching the driving mode to sport mode while driving in D position.
 (→P. 297)

■ Snow mode automatic deactivation

Snow mode is automatically deactivated if the engine switch is turned off after driving in snow mode.

■ If the shift lever cannot be shifted from P

→P. 831

■ If the automatic transmission fluid temperature warning message is displayed

If the automatic transmission fluid temperature warning message is displayed while driving, make sure you return to normal D position driving and reduce speed by easing off the accelerator pedal. Stop the vehicle in a safe place, shift the shift lever to the P position and let the engine idle until the warning message goes out.

When the warning message goes out, the vehicle can be driven again.

If the warning message does not go out after waiting a while, have your vehicle inspected by your Lexus dealer.

■ AI-SHIFT

The AI-SHIFT automatically selects the suitable gear according to driver performance and driving conditions.

The AI-SHIFT automatically operates when the shift lever is in the D position. (Shifting the shift lever to the M position cancels the function.)

A CAUTION

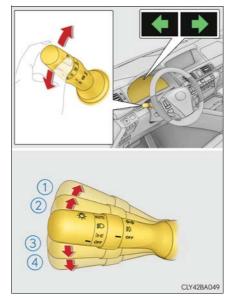
■ When driving on slippery road surfaces

Be careful of downshifting and sudden acceleration, as this could result in the vehicle skidding to the side or spinning.

Turn signal lever

Operating instructions

- 1 Right turn
- 2 Lane change to the right (move the lever partway and release it) The right hand signals will flash 3 times.
- 3 Lane change to the left (move the lever partway and release it)
 The left hand signals will flash 3 times.
- (4) Left turn



■ Turn signals can be operated when

The engine switch is in IGNITION ON mode.

■ If the indicator flashes faster than usual

Check that a light bulb in the front or rear turn signal lights has not burned out.

- If the turn signals stop flashing before a lane change has been performed Operate the lever again.
- To discontinue flashing of the turn signals during a lane change Operate the lever in the opposite direction.

■ Customization

The number of times the turn signals flash during a lane change can be changed. (Customizable feature \rightarrow P. 872)

Parking brake

A selections can be made as desired from the following modes.

Manual mode

1 Sets the parking brake

The parking brake indicator light will come on. $(\rightarrow P. 221)$

Press and hold the parking brake switch if an emergency occurs and it is necessary to operate the parking brake while driving. The parking brake is applied only while the switch is being pressed.

(2) Releases the parking brake

Operate the parking brake switch while depressing the brake pedal. Make sure that the parking brake indicator light goes off.



4

Drivina

Automatic mode

The parking brake is set or released automatically according to shift lever operation.

Turns automatic mode on/off

When automatic mode is turned on, it operates in the following manner:

- When the shift lever is moved into
 P, the parking brake will be set.
- When the shift lever is moved out of P, the parking brake will be released.

Operate the shift lever with the brake pedal depressed.



■ Parking brake operation

- When the engine switch is not in IGNITION ON mode, the parking brake cannot be released using the parking brake switch.
- When the engine switch is not in IGNITION ON mode, automatic mode (automatic brake setting and releasing) is not available.
- If the parking brake is operated repeatedly over a short period of time, the system may restrict operation to prevent overheating. If this happens, refrain from operating the parking brake. Normal operation will return after about 1 minute.

■ Parking brake operation sound

When the parking brake operates, a motor sound (whirring sound) may be heard. This does not indicate a malfunction.

• Depending on the engine switch mode, the parking brake indicator light will come on and stay on as described below:

IGNITION ON mode: Comes on until the parking brake is released. Not in IGNITION ON mode: Stays on for approximately 15 seconds.

• When the engine switch is turned off with the parking brake set, the parking brake indicator light will stay on for about 15 seconds. This does not indicate a malfunction.

■ Parking brake engaged warning buzzer

A buzzer will sound if the vehicle is driven at a speed of approximately 3 mph (5 km/h) or more with the parking brake engaged.

■ When there is a malfunction in the system

Warning lights and/or warning message will turn on or flash. $(\rightarrow P. 808, 816)$ Depending on the condition, the parking brake indicator light may flash.

■ Usage in winter time

 \rightarrow P. 342

♠ NOTICE

■ When parking the vehicle

Before you leave the vehicle, set the parking brake, shift the shift lever to P and make sure that the vehicle does not move.

■ When the system malfunctions

Stop the vehicle in a safe place and check the warning messages.

■ When the parking brake cannot be released due to a malfunction

Use the parking brake release tool to manually release the parking brake. $(\rightarrow P.832)$

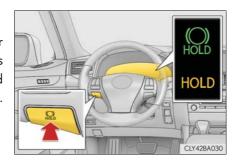
Driving the vehicle with the parking brake set will lead to brake components overheating, which may affect braking performance and increase brake wear.

Brake Hold

The brake hold system keeps the brake applied when the shift lever is in D, N, or S (except 2WD models with paddle shift switches) or M (2WD models with paddle shift switches) with the system on and the brake pedal has been depressed to stop the vehicle. The system releases the brake when the accelerator pedal is depressed with the shift lever in D, S or M to allow smooth start off.

Turns the brake hold system on

The brake hold standby indicator (green) comes on. While the system is holding the brake, the brake hold operated indicator (yellow) comes on.



■ Brake hold system operating conditions

The brake hold system cannot be turned on in the following conditions:

- The trunk or hood is not closed.
- The driver's door is not closed.
- The driver is not wearing the seat belt.

If any of the conditions above are detected when the brake hold system is enabled, the system will turn off and the brake hold standby indicator light will go off. In addition, if any of the conditions are detected while the system is holding the brake, a warning buzzer will sound and a message will be shown on the multi-information display. The parking brake will then be set automatically.

■ Brake hold function

- If the brake pedal is left released for a period of about 3 minutes after the system has started holding the brake, the parking brake will be set automatically. In this case, a warning buzzer sounds and a message is shown on the multi-information display.
- To turn the system off while the system is holding the brake, firmly depress the brake pedal and press the switch again.
- The brake hold function may not hold the vehicle when the vehicle is on a steep incline. In this situation, it may be necessary for the driver to apply the brakes. The multi-information display will inform the driver of this situation.

■ When the parking brake is set automatically while the system is holding the brakes

The parking brake will not be released automatically. Release the parking brake by operating the parking brake switch, making sure that the parking brake indicator light goes off. $(\rightarrow P. 219)$

■ When there is a malfunction in the system

Warning lights and/or warning messages will turn on or flash. $(\rightarrow P. 808, 816)$

A CAUTION

■ When the vehicle is on a steep incline

When using the brake hold system on a steep incline exercise caution. The brake hold function may not hold the vehicle in such a situation.

■ When stopped on a slippery road

The system cannot stop the vehicle when the gripping ability of the tires has been exceeded. Do not use the system when stopped on a slippery road.

♠ NOTICE

■ When parking the vehicle

The brake hold system is not designed for use when parking the vehicle for a long period of time. Turning the engine switch off while the system is holding the brake may release the brake, which would cause the vehicle to move. When operating the engine switch, depress the brake pedal, set the parking brake and shift the shift lever to P.

Horn

To sound the horn, press on or close to the mark.

